

Rural Non-MPO - Federal Transportation Improvement Program

(Dollars in Thousands)

Local Highway System

DIST: VA	COUNTY: Various Counties	TITLE (DESCRIPTION):	MPO Aprv: / /
ROUTE: PM:		Recreational Trail Projects (Recreational Trail Program, (motor & non-motor, non capacity increasing). Projects are consistent with 23 CFR 771.117 (c) and (d).)	State Aprv: / /
PPNO: KP:			Federal Aprv: / /
EA: MPO ID: VAR09			
CTIPS ID: 230-0000-0036			
IMPLEMENTING AGENCY: Various Agencies	PRJ MGR:	EPA TABLE II or III EXEMPT CATEGORY:	
	PHONE:		

PROJECT VERSION HISTORY (Printed Version is Shaded)					Dollars in Thousands - Total For Project								
Version	Status	Official Date	Updated By	Change Reason	Amend No.	Prog Con	Prog RW	PE					
8	Active	06/30/2005	MPOBAGDE	Amendment - Cost/Scope/Sch. Change	9	4,854							
7	Official	04/27/2005	MPOBAGDE	Amendment - Cost/Scope/Sch. Change	6	4,761							
6	Official	11/09/2004	MPOBAGDE	Amendment - New Project	1	4,731							
5	Official	09/10/2004	MPOBAGDE	Adoption - Carry Over		4,182							
4	Official	05/27/2004	MPOBAGDE	Amendment - Cost/Scope/Sch. Change	16	4,182							
3	Official	04/21/2003	MPOBAGDE	Amendment - Cost/Scope/Sch. Change	3	3,633							
2	Official	09/16/2002	MPOBAGDE	Adoption - Carry Over		7,500							
1	Official	09/18/2000	GWONG2	Adoption		4,500							
• Federal Disc. - Federal Discretionary					PRIOR	04/05	05/06	06/07	07/08	08/09	09/10	BEYOND	TOTAL
• Fund Source 1 of 3					PE								
• Fund Type: Recreational Trails Program					RW								
• Funding Agency:					CON	3,935	527						4,462
					TOTAL	3,935	527						4,462
					PRIOR	04/05	05/06	06/07	07/08	08/09	09/10	BEYOND	TOTAL
• Fund Source 2 of 3					PE								
• Fund Type: State Park Funds					RW								
• Funding Agency:					CON	126							126
					TOTAL	126							126
					PRIOR	04/05	05/06	06/07	07/08	08/09	09/10	BEYOND	TOTAL
• Fund Source 3 of 3					PE								
• Fund Type: Local Transportation Funds					RW								
• Funding Agency: Various Agencies					CON	121	145						266
					TOTAL	121	145						266
Project Total					PRIOR	04/05	05/06	06/07	07/08	08/09	09/10	BEYOND	TOTAL
					PE								
					RW								
					CON	4,182	672						4,854
					TOTAL	4,182	672						4,854

Comments:

***** Version 8 - 06/30/2005 *****
The amendment programs Grasshopper Trail project in Humboldt County per request from Department of Parks and Recreation dated June 9, April 14, 2005. The amendment programs \$74,000 in Federal Discretionary (Recreational Trails Program) Funds and \$18,403 in local funds in Fiscal Year 2004/05.

***** Version 7 - 04/27/2005 *****
The amendment programs Homestead Trail Connector project in Lassen County per request from Department of Parks and Recreation dated April 14, 2005. the amendment programs \$25,000 in Federal Discretionary (Recreational Trails Program) Funds and \$5,000 in County funds in Fiscal Year 2004/05.

***** Version 6 - 11/03/2004 *****
The amendment programs Bogard Trailhead Construction, Support Utility Access Guide - Mono County and Ukiah Urban OHV Complex projects in 2004/05 per request from Department of Parks and Recreation dated October 18, 2004.

***** Version 5 - 08/13/2004 *****
***** Version 4 - 05/27/2004 *****
Modifies the lump sum project to include Bogard Trailhead Construction, Support Utility Access Guide - Mono County and Ukiah Urban OHV Complex projects per letter dated May 21, 2004 received from the Department of Parks and Recreation.

***** Version 3 - 04/09/2003 *****
***** Version 2 - 08/27/2002 *****



State of California • The Resources Agency

Arnold Schwarzenegger, Governor

Ruth G. Coleman, Director

DEPARTMENT OF PARKS AND RECREATION
North Coast Redwoods District
P.O. Box 2006
Eureka, Ca. 95502-2006
June 9, 2005

Abhijit J. Bagde P. E.
Senior Transportation Engineer
Division of Transportation Programming
Office of Federal Trans. Mgmt. Program

Dear Mr. Bagde,

The North Coast Redwoods District has been notified that our grant application for funding under the Recreational Trails Program (RTP) has been recommended for funding by our Department. To complete the post application requirements, our project needs to be listed on the State Transportation Improvement Plan (STIP) or the local Transportation Improvement Plan (TIP) which ever is applicable. The proposed project is RT-12-007, Grasshopper Trail Improvement Project. The total grant funding request is \$74,000. This project needs to be obligated for funds in the 2005 Federal Fiscal Year. This project will be completed in 2007. Please refer the attached grant application and budget for further information. If you have any questions or require further information please call me at (707) 445-6547 ext. 8 or e-mail me at dbeer@parks.ca.gov.
Sincerely,

A handwritten signature in cursive script that reads "Don Beers".

Don Beers
Roads, Trails and Resource Section
North Coast Redwoods District

A. Need for the Project

Humboldt Redwoods State Park has the largest stand of old growth redwood trees in the world. This 55,000-acre park has nearly 30,000 acres of old growth redwoods. One of the largest old growth redwood stands in the park is in the Canoe Creek drainage which extends from the banks of the south fork of the Eel river to the upper slopes of Grasshopper Mountain. Massive redwood trees with a dense canopy and open understory dominate the damp forest along the Eel river. Conversely the steep slopes of Grasshopper Mountain are warm and dry and produce Douglas Fir trees up to eight feet in diameter as well as a thick Huckleberry understory. Between these two areas are a variety of plant communities comprised of conifers, hardwoods and shrubs. This transition through various plant communities is a unique experience that is not found in most of the world's remaining redwood forest. The combination of vegetative diversity and large unspoiled land base provides a wilderness experience that is unequalled in the State Park System.

Access into this portion of the park is limited at this time. The only trail that traverses this slope is Grasshopper trail, which is an abandoned road alignment that begins at the Eel river and ends at the Grasshopper Peak Lookout. This 6.5 mile long road alignment runs straight up a ridge nose, is excessively steep and has numerous drainage problems. The linear grades on this road range from 10% to 35% with the majority of the grades in excess of 20%. Rills and gullies have developed on the upper and lower sections of this road and sediment is being mobilized from these features. Because of the severe grades and erosion associated with this trail, its use is light due to the trails difficulty and lack of esthetic appeal.

This project proposes to improve the public's access into this portion of the park by upgrading the useable sections of the existing alignment and rerouting around the problematic sections. The new trail route will have moderate linear grades ranging from 7% to 10%. This route will be laid out on contour and will have side hill construction to facilitate a fuller trail bench and proper sheet flow drainage. All drainage crossings will have gentle approaches and no bridges will be required over the six and a half mile route. The parent soils along the new trail route have a good mixture of fractured rock and have high strength and cohesion. The layout of this new trail route incorporates many unique features and views. This route transcends the full range of plant communities of the Canoe Creek forest and provides the public with a sense of being in a remote wilderness setting.

Portions of the Grasshopper trail/road will be decommissioned in order to correct the drainage problems currently associated with this facility. This will involve fully recontouring the upper and lower end of this road. The middle portion of the road will be outsloped to restore proper sheet drainage. The upper and lower ends of the road will also be re-vegetated to discourage reoccupation by the public and soften the appearance of the road decommissioning.

Improving the trail access into this portion of Humboldt Redwoods State Park will significantly increase the recreational opportunities for the public. Approximately 600,000 people a year visit this park. Unfortunately, due to poor access their recreation pursuits are mostly limited to the trails located on the flats of the Eel River. Improving this trail route will open up the Canoe Creek forest, Grasshopper Peak and the Humboldt Redwoods backcountry to thousands of people. This improved trail alignment will serve as a key connector in a sixty plus mile system of hiking trails in this portion of the park. The popular Burlington campground is located

directly across the river from the Grasshopper trail. This facility along with a new visitor center, a group camp and two developed day use areas attracts the largest numbers of visitors to the park. Park visitors will have numerous options for day hikes or overnight backpacking experiences. There are currently four backcountry campgrounds located within this section of the park.

Improving the Grasshopper Trail is consistent with the long-range management plans of the Department of Parks and Recreation. This includes the California Recreational Trails Plan which calls for "The Department to aggressively plan, implement, and maintain hiking and equestrian trails as mandated by the Public Resources Code." It is also consistent with Assembly Bill No. 3594 known as the California Recreational Trails Act which states "Increase accessibility and enhance the use and enjoyment of California's scenic, natural, historic and cultural resources." This project is also consistent with the State Park System Plan Mission 1990 which calls for the Department to "Provide a wide variety of recreational and interpretive programs to enhance visitor enjoyment, and to broaden visitors' understanding of recreational values and resources." Finally, this project is consistent with the draft General Plan for this State Park Unit, which calls for "Providing more loop trails for each of the park's user groups." "Evaluating and proposing a backcountry trail system that provides longer hikes with overnight camping facilities" and "Provide for recreational opportunities at the park that take advantage of its size, varied terrain, and expansive old growth redwood forest. This should include hiking, backpacking, biking, horseback riding, backcountry camping, nature study, and the enjoyment of solitude".

This project will also provide visitors with access to two unique and different eco-systems. The Grasshopper Trail begins in an old-growth redwood forest environment, which is dominated by six to twelve foot diameter redwoods and giant sword ferns. As the trail climbs up the slopes of Grasshopper Mountain the vegetation gradually begins to change to a forest that is a mixture of hardwoods and four to eight foot diameter Douglas Firs. The understory also changes and is comprised mostly of huckleberry. This route will be part of a loop trail for day use hikers and will provide important access to the backcountry areas of Humboldt Redwoods State. It will provide access to overnight camping facilities as well as a critical linkage to future backcountry trails.

This project will provide unique hiking opportunities for park users and it will significantly reduce the current impacts to the resources now associated with the Grasshopper Trail. These include compaction of soils, trampling and scuffing of tree roots, soil erosion and sediment transportation into critical salmonid streams. Reconstructing and rehabilitating the existing trail will eliminate these impacts and constructing a new trail route that will follow state of the art trail design and construction methods will insure a similar problem will not occur.

B. Access

Both automobiles and busses can access the Grasshopper Trail. There are trailhead parking facilities at the Burlington campground/visitor center, Williams Grove day use area, and Garden Club day use area. There are also an additional parking area along the Avenue of the Giants road that provide access to this trail via the River Trail. Tour busses frequently stop at the Burlington visitor center and the Williams Grove day use area. This trail is located directly off of the Avenue of the Giants Highway, which parallels Highway 101 and connects to it

approximately three to four miles to the north and south. Highway 101 and the avenue of the Giants Highway are popular bicycle touring routes. The Burlington campground and visitor center area is a regular destination for touring bicyclist. The parking lot at the visitor center has accessible parking and restroom facilities. The Grasshopper Trail reroute will be designed and constructed to be barrier free. The trail tread width will be a minimum of three feet and no trail structures that represent barriers such as steps, waterbars, rock culverts, etc. will be used. Although this trail will not meet the proposed access guidelines, it will be accessible to people with less restrictive disabilities.

C. Organization Capability

The North Coast Redwoods District's Roads, Trails and Resource Maintenance Section (RTR) is a prototype program in the California State Park System. It is the largest and most advanced trail design and construction program in the western United States. Each year the R.T.R. Section completes approximately forty trail projects. Given the scope and complexity of these projects, this is more trail work than what is produced by the combined efforts of the rest of the State Park System. The R.T.R. Section has obtained and completed Private Donor Grant Projects, Environmental Enhancement Mitigation Grants, Greenway Foundation Grants, Proposition 204 Grants, Federal Emergency Agency Funded Projects, Category II Maintenance Projects and National Recreational Trail Fund Grants. The R.T.R. Section also performs contract work for other State Park Districts, U.S. Forest Service, National Park Service and local Park Districts. The R.T.R. Section has undertaken and completed more than eleven million dollars in road, trail and resource management projects in the past six years. We have established a reputation as one of the most organized, efficient and accountable programs within our Department.

D. Project Readiness

The R.T.R. Section has already flagged, inventoried and developed prescriptions for the improvements to Grasshopper Trail. The existing Grasshopper road/trail has been mapped and prescriptions for its rehabilitation have been prepared. C.E.Q.A. and 5024 documents and their approvals have already been completed. Rare plant inventories have been completed and all control agency permits have been obtained. Once funding has been received, work on this project can begin immediately.

State of California
DEPARTMENT OF PARKS AND RECREATION
RECREATIONAL TRAILS PROGRAM APPLICATION

This Form and Required Attachments Must Be Submitted for Each Project Site

PROGRAM TYPE: Check Appropriate Boxes <input checked="" type="checkbox"/> Non-Motorized <input type="checkbox"/> Motorized PROJECT NAME Grasshopper Trail Improvement Project		APPLICANT TYPE <div style="display: flex; justify-content: space-between;"><input type="checkbox"/> Municipal<input checked="" type="checkbox"/> State</div> <div style="display: flex; justify-content: space-between;"><input type="checkbox"/> Non-Profit</div> AMOUNT OF GRANT REQUESTED <div style="text-align: right;">\$74,000</div> ESTIMATED TOTAL PROJECT COST (State Grant and other funds) <div style="text-align: right;">\$92,403</div> ESTIMATED DATE OF COMPLETION September 15, 2006	
APPLICANT Agency and address, include zip code North Coast Redwoods District P. O. Box 2006 Eureka, Ca. 95502-2006		COUNTY OF PROJECT Humboldt	NEAREST CITY Weott
		PROJECT ADDRESS Humboldt Redwoods State Park 2 Miles south of Weott on Highway 254	
		NEAREST CROSS STREET Highway 101	CONGRESSIONAL DISTRICT 1
		COUNTY OF APPLICANT Humboldt	SENATE DISTRICT NO. 1
		ASSEMBLY DISTRICT NO. 1	

Person with day-to-day responsibility

Don Beers

Park Maintenance Chief 2

(707) 445-6547

NAME	TITLE	PHONE
Description of Project (include types of facilities) This project will improve the Grasshopper Trail at Humboldt Redwoods State Park. It will reroute a section of trail that is excessively steep and eroding. This project will also improve other sections of the trail and will fully rehabilitate the abandoned sections of trail. This project will reduce the trail's impacts to natural resources, improve the quality of the visitor's experience and improve the sustainability of the trail. Improving this trail will provide the public with better access into the old growth redwood forest of Humboldt Redwoods State Park and expand the recreational opportunities for all park visitors.		

For Development Projects Land Tenure-Project is 55,000 acres

☒ Public Land ☐ Private Land ☐ Acres owned in fee simple by Grant Applicant

☐ Acres available under a _____ year lease ☐ Acres other interest (explain) _____

I certify that the information contained in this project application form, including required attachments, is accurate.

Signed

Grant Applicant's Authorized Representative as shown in Resolution

Date

**GRASSHOPPER TRAIL
IMPROVEMENTS COST ESTIMATE**

1. Brushing	\$ 3,033.00
2. Clearing & Tree Removal	4,550.00
3. Down Tree Removal	1,456.00
4. Trail Re-route and Reconstruction	25,746.00
5. Switchback Construction	1,248.00
6. Drainage Lenses	527.00
7. Rock Retaining Walls	6,500.00
8. Riprap	4,550.00
9. Log Crib Retaining Walls	2,080.00
10. Cellular Confinement Walls	520.00
11. Soil Excavation	878.00
12. Road/ Trail Removal	18,403.00
13. Hiking Time	12,742.00
14. Supervision	9,557.00
15. Materials	613.00

TOTAL PROJECT COST	\$92,403.00
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North Coast Redwoods District Match	\$18,403.00
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Recreational Trails Program Grant	<u>\$74,000.00</u>
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